



Solutions for Water Utilities

Digital Transformation in the whole Water Cycle

minsait.com

 **MINSAIT**

Digital Transformation in the whole water cycle

Reinventing water management for the future

Water utilities today face enormous pressure to ensure a sustainable, efficient and resilient water cycle. In Spain, over 50% of the water distribution network is more than 30 years old, and network losses reach up to 25%, far exceeding those in neighboring countries (e.g., Germany 7%, France 19%).

To make things worse, operational costs (O&M) have risen dramatically — 157% in the last decade, while investment (CapEx) remains stagnant. Utilities must now deal with climate-related risks, cyber threats to OT/IT environments, and increasing public demand for quality, transparency, and environmental responsibility.

In this context, Minsait supports the digital transformation of water utilities, applying advanced technologies and deep sector knowledge to drive operational excellence, sustainability, and improved service for citizens.

End-to-End digital water solutions

Minsait’s value proposition covers the entire water cycle, from catchment to purification, distribution, and billing.

Smart Metering & Loss Control

- Modular MDC-MDM platform with anomaly detection and consumption prediction.
- Integration with GIS, SCADA and commercial systems.
- Real-time leak detection through acoustic sensing and fiber optics.

Asset & Maintenance Management

- Advanced EAM platform for real-time operations and predictive maintenance
- Integrated GIS, mobile apps, and analytics for optimized field work.
- Digital Twin and APM for asset health, lifecycle cost and performance.

Customer & Commercial Management

- End-to-end commercial cycle solution: CRM, omnichannel service, self-service tools, fraud and debt management.

Analytics & AI

- Data-driven decision-making with geoanalytics, demand forecasting, and automated anomaly detection.

Tangible results across the water cycle

Through the application of advanced technologies and sector-specific knowledge, Minsait delivers measurable improvements across all stages of the water cycle.



Reduced Non-Revenue Water (NRW)
Real-time monitoring and predictive leak detection lower network losses and improve billing accuracy.



Lower Operational & Maintenance Costs
Advanced analytics and predictive maintenance reduce unplanned interventions and extend asset lifespan.



Improved Energy and Resource Efficiency
Our technology allows significant reductions in energy, sludge and chemical use in treatment plants, increasing capacity and reducing OPEX.



Better Customer Experience
Omnichannel tools and 360° customer views streamline interactions, automate processes and improve transparency.



Regulatory Compliance & Sustainability
Advanced control, monitoring, and reporting tools ensure environmental compliance and enable greener operations across the network.

+40%

energy savings in water treatment

-50%

less sludge and additive consumption

+45

km of continuous pipeline monitored in real time

+20

years providing services and solutions to water companies

Selected references



Tech for impact

We connect talent,
technology and
businesses to generate
positive and sustainable
growth and impact.

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